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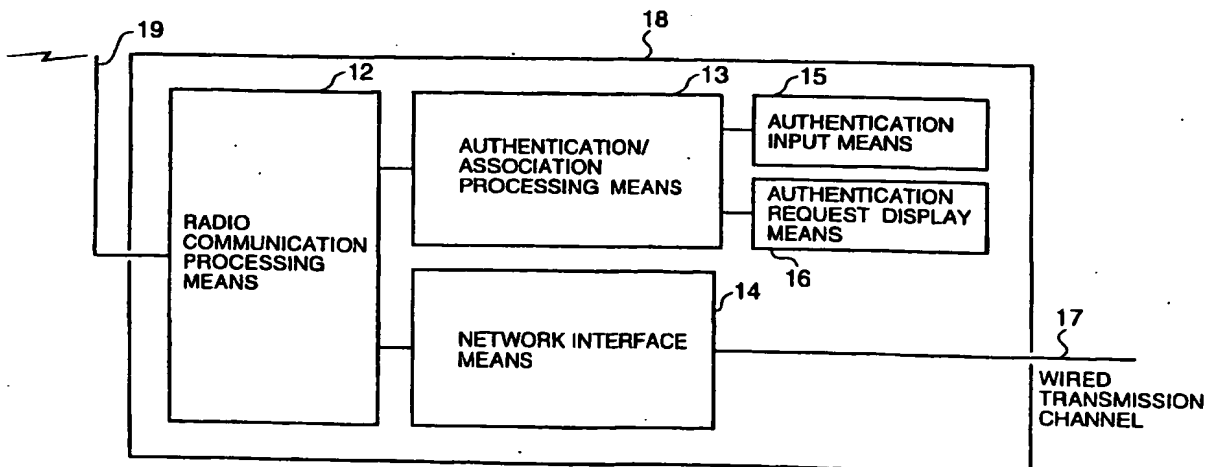
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(54) **Access point device and authentication method thereof**

(57) An access point device (18) and its authentication method are provided which can dramatically improve a wireless LAN system in security level. The access point device includes: authentication request display means (16) for notifying a network administrator administering the LAN of the presence of an authentication-requesting mobile station so as to gain the final au-

thorization of an authentication procedure when a mobile station in the area perform the authentication procedure before the initiation of an association procedure; and authentication input means (15) from which the network administrator notified inputs an authentication-authorizing or -rejecting instruction with respect to the authentication-requesting mobile station.

FIG.1



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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (InCL7)
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Y	* page 283, left-hand column, line 25-49 * * page 283, right-hand column, line 45 - page 284, left-hand column, line 6 * * page 284, right-hand column, line 1-30 * * page 285, left-hand column, line 22-36 * * page 285, right-hand column, line 19-25 * * page 286, right-hand column, line 1-32 * * page 287, left-hand column, line 1-16 * ---	2-5	TECHNICAL FIELDS SEARCHED (InCL7) H04L H04Q
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 24 March 2003	Examiner Isopescu, C
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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